

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=2; day=9; hr=15; min=6; sec=21; ms=254;]

=====

Application No: 10586416 Version No: 2.0

Input Set:

Output Set:

Started: 2009-01-23 19:55:34.883
Finished: 2009-01-23 19:55:35.659
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 776 ms
Total Warnings: 10
Total Errors: 0
No. of SeqIDs Defined: 98
Actual SeqID Count: 98

Error code	Error Description
W 251	Found intentionally skipped sequence in SEQID (17)
W 251	Found intentionally skipped sequence in SEQID (18)
W 402	Undefined organism found in <213> in SEQ ID (21)
W 402	Undefined organism found in <213> in SEQ ID (22)
W 251	Found intentionally skipped sequence in SEQID (40)
W 251	Found intentionally skipped sequence in SEQID (43)
W 251	Found intentionally skipped sequence in SEQID (44)
W 251	Found intentionally skipped sequence in SEQID (45)
W 251	Found intentionally skipped sequence in SEQID (46)
W 251	Found intentionally skipped sequence in SEQID (79)

SEQUENCE LISTING

<110> THE UNIVERSITY OF MANCHESTER
 DOBSON, Curtis
 CRUTCHER, Keith A.

<120> TREATMENT OF BACTERIAL INFECTIONS

<130> 81599-4

<140> 10586416

<141> 2009-01-23

<160> 98

<170> PatentIn version 3.5

<210> 1

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1

Leu Arg Lys Leu Arg Lys Arg Leu Leu
 1 5

<210> 2

<211> 9

<212> PRT

<213> Homo sapiens

<400> 2

Arg Leu Thr Arg Lys Arg Gly Leu Lys
 1 5

<210> 3

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3

Leu Arg Lys Arg Leu Leu Leu Arg Lys Leu Arg Lys Arg Leu Leu
 1 5 10 15

<210> 4

<211> 22

<212> PRT

<213> Homo sapiens

<400> 4

Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg Lys
1 5 10 15

Leu Arg Lys Arg Leu Leu
20

<210> 5
<211> 30
<212> PRT
<213> Homo sapiens

<400> 5

Leu Arg Val Arg Leu Ala Ser His Leu Arg Lys Leu Arg Lys Arg Leu
1 5 10 15

Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala Val Tyr
20 25 30

<210> 6
<211> 18
<212> PRT
<213> Homo sapiens

<400> 6

Leu Arg Lys Leu Arg Lys Arg Leu Leu Leu Arg Lys Leu Arg Lys Arg
1 5 10 15

Leu Leu

<210> 7
<211> 18
<212> PRT
<213> Homo sapiens

<400> 7

Trp Arg Lys Trp Arg Lys Arg Trp Trp Trp Arg Lys Trp Arg Lys Arg
1 5 10 15

Trp Trp

<210> 8
<211> 14
<212> PRT

<213> Homo sapiens

<400> 8

Trp Arg Lys Trp Arg Lys Arg Trp Arg Lys Trp Arg Lys Arg
1 5 10

<210> 9

<211> 18

<212> PRT

<213> Homo sapiens

<400> 9

Trp Arg Lys Trp Arg Lys Arg Trp Trp Leu Arg Lys Leu Arg Lys Arg
1 5 10 15

Leu Leu

<210> 10

<211> 18

<212> PRT

<213> Homo sapiens

<400> 10

Tyr Arg Lys Tyr Arg Lys Arg Tyr Tyr Tyr Arg Lys Tyr Arg Lys Arg
1 5 10 15

Tyr Tyr

<210> 11

<211> 14

<212> PRT

<213> Homo sapiens

<400> 11

Leu Arg Lys Leu Arg Lys Arg Leu Arg Lys Leu Arg Lys Arg
1 5 10

<210> 12

<211> 18

<212> PRT

<213> Homo sapiens

<400> 12

Arg Leu Thr Arg Lys Arg Gly Leu Lys Arg Leu Thr Arg Lys Arg Gly

1 5 10 15

Leu Lys

<210> 13
<211> 14
<212> PRT
<213> Homo sapiens

<400> 13

Arg Thr Arg Lys Arg Gly Arg Arg Thr Arg Lys Arg Gly Arg
1 5 10

<210> 14
<211> 14
<212> PRT
<213> Homo sapiens

<400> 14

Leu Arg Lys Arg Lys Arg Leu Leu Arg Lys Arg Lys Arg Leu
1 5 10

<210> 15
<211> 18
<212> PRT
<213> Homo sapiens

<400> 15

Leu Arg Lys Arg Lys Arg Leu Arg Lys Leu Arg Lys Arg Lys Arg Leu
1 5 10 15

Arg Lys

<210> 16
<211> 18
<212> PRT
<213> Homo sapiens

<400> 16

Trp Arg Trp Arg Lys Arg Trp Arg Lys Trp Arg Trp Arg Lys Arg Trp
1 5 10 15

Arg Lys

<210> 17

<400> 17

000

<210> 18

<400> 18

000

<210> 19

<211> 37

<212> PRT

<213> Homo sapiens

<400> 19

Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly Lys Glu
1 5 10 15

Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn Leu Val
20 25 30

Pro Arg Thr Glu Ser
35

<210> 20

<211> 30

<212> PRT

<213> Homo sapiens

<400> 20

Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr
1 5 10 15

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25 30

<210> 21

<211> 39

<212> PRT

<213> Sus sp.

<400> 21

Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
1 5 10 15

Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
20 25 30

Arg Phe Pro Pro Arg Phe Pro
35

<210> 22
<211> 13
<212> PRT
<213> Bos sp.

<400> 22

Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 23
<211> 27
<212> DNA
<213> Homo sapiens

<400> 23
cttcgtaaac ttcgtaaacg tcttctt 27

<210> 24
<211> 27
<212> DNA
<213> Homo sapiens

<400> 24
cgtcttactc gtaaactgtg tcttaaa 27

<210> 25
<211> 45
<212> DNA
<213> Homo sapiens

<400> 25
cttcgtaaac gtcttcttct tcgtaaactt cgtaaactgc ttctt 45

<210> 26
<211> 66
<212> DNA
<213> Homo sapiens

<400> 26
caatctactg aagaacttcg tgttcgtctt gctagtcata ttcgtaaact tcgtaaactg 60

cttctt 66

<210> 27
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 27
 cttcgtgttc gtcttgctag tcatcttcgt aaacttcgta aacgtcttct tcgtgatgct 60
 gatgatcttc aaaaacgtct tgctgtttat cttcgtgttc gtcttgctag tcatcttcgt 120
 aaacttcgta aacgtcttct tcgtgatgct gatgatcttc aaaaacgtct tgctgtttat 180

<210> 28
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 28
 cttcgtaaac ttcgtaaacg tcttcttctt cgtaaacttc gtaaacgtct tctt 54

<210> 29
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 29
 tggcgtaa at ggcgtaaacg ttggtgggtg cgtaa atggc gtaa acgttg gtgg 54

<210> 30
 <211> 48
 <212> DNA
 <213> Homo sapiens

<400> 30
 tggcgtaa at ggcgtaaacg ttggtggcgt aaatggcgta aacgttgg 48

<210> 31
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 31
 tggcgtaa at ggcgtaaacg ttggtggcct cgtaa acttc gtaa acgtct tctt 54

<210> 32
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 32
 tatcgtaa at atcgtaaacg ttattattat cgtaa atatc gtaa acgtta ttat 54

<210> 33
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <400> 33
 cttcgtaaac ttcgtaaacg tcttcgtaaa cttcgtaaac gt 42

 <210> 34
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <400> 34
 cgtcttactc gtaaacgtgg tcttaaactg cttactcgta aacgtggtct taaa 54

 <210> 35
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <400> 35
 cgtactcgta aacgtggtcg tcgtactcgt aaacgtgggc gt 42

 <210> 36
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <400> 36
 cttcgtaaac gtaaactgct tcttcgtaaa cgtaaactgc tt 42

 <210> 37
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <400> 37
 cttcgtaaac gtaaactgct tcgtaaactt cgtaaactga aacgtcttcg taaa 54

 <210> 38
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <400> 38
 tggcggttggc gtaaactgtg gcgtaaatgg cgttggcgta aacgttggcg taaa 54

 <210> 39
 <211> 18

<212> PRT
<213> Homo sapiens

<400> 39

Glu Arg Lys Glu Arg Lys Arg Glu Glu Glu Arg Lys Glu Arg Lys Arg
1 5 10 15

Glu Glu

<210> 40

<400> 40
000

<210> 41
<211> 18
<212> PRT
<213> Homo sapiens

<400> 41

Ala Arg Lys Ala Arg Lys Arg Ala Ala Ala Arg Lys Ala Arg Lys Arg
1 5 10 15

Ala Ala

<210> 42
<211> 18
<212> PRT
<213> Homo sapiens

<400> 42

Met Arg Lys Met Arg Lys Arg Met Met Met Arg Lys Met Arg Lys Arg
1 5 10 15

Met Met

<210> 43

<400> 43
000

<210> 44

<400> 44
000

<210> 45

<400> 45
000

<210> 46

<400> 46
000

<210> 47
<211> 30
<212> PRT
<213> Homo sapiens

<400> 47

Leu Arg Val Arg Leu Ala Ser His Leu Arg Lys Leu Arg Lys Arg Leu
1 5 10 15

Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala Val Tyr
20 25 30

<210> 48
<211> 18
<212> PRT
<213> Homo sapiens

<400> 48

Phe Arg Lys Phe Arg Lys Arg Phe Phe Phe Arg Lys Phe Arg Lys Arg
1 5 10 15

Phe Phe

<210> 49
<211> 18
<212> PRT
<213> Homo sapiens

<400> 49

Ile Arg Lys Ile Arg Lys Arg Ile Ile Ile Arg Lys Ile Arg Lys Arg
1 5 10 15

Ile Ile

<210> 50

<211> 18
<212> PRT
<213> Homo sapiens

<400> 50

Gln Arg Lys Gln Arg Lys Arg Gln Gln Gln Arg Lys Gln Arg Lys Arg
1 5 10 15

Gln Gln

<210> 51
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (8)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(18)
<223> n is a, c, g, or t

<400> 51
nrknrkrnnn rknrkrnn

18

<210> 52
<211> 18
<212> DNA
<213> Homo sapiens

<400> 52
crkcrkrccc rkcrkrcc

18

<210> 53
<211> 18
<212> DNA
<213> Homo sapiens

<400> 53
srksrkrsss rksrkrss

18

<210> 54
<211> 18
<212> DNA
<213> Homo sapiens

<400> 54
vrkvrkrvvv rkvrkrvv

18

<210> 55
<211> 18
<212> PRT
<213> Homo sapiens

<400> 55

Thr Arg Lys Thr Arg Lys Arg Thr Thr Thr Arg Lys Thr Arg Lys Arg
1 5 10 15

Thr Thr

<210> 56
<211> 18
<212> DNA
<213> Homo sapiens

<400> 56
rrkrrkrrrr rkrrkrrr

18

<210> 57
<211> 18
<212> PRT
<213> Homo sapiens

<400> 57

Gly Arg Lys Gly Arg Lys Arg Gly Gly Gly Arg Lys Gly Arg Lys Arg
1 5 10 15

Gly Gly

<210> 58
<211> 18
<212> PRT
<213> Homo sapiens

<400> 58

Lys Arg Lys Lys Arg Lys Arg Lys Lys Lys Arg Lys Lys Arg Lys Arg
1 5 10 15

Lys Lys

<210> 59
<211> 18
<212> PRT
<213> Homo sapiens

<400> 59

Asp Arg Lys Asp Arg Lys Arg Asp Asp Asp Arg Lys Asp Arg Lys Arg
1 5 10 15

Asp Asp

<210> 60
<211> 18
<212> PRT
<213> Homo sapiens

<400> 60

Pro Arg Lys Pro Arg Lys Arg Pro Pro Pro Arg Lys Pro Arg Lys Arg
1 5 10 15

Pro Pro

<210> 61
<211> 18
<212> PRT
<213> Homo sapiens

<400> 61

Met Arg Lys Leu Arg Lys Arg Leu Met Met Arg Lys Leu Arg Lys Arg
1 5 10 15

Leu Met

<210> 62
<211> 9
<212> PRT
<213> Homo sapiens

<400> 62

Leu Arg Lys Leu Arg Lys Arg Leu Leu
1 5

<210> 63
<211> 17
<212> PRT
<213> Homo sapiens

<400> 63

Trp Arg Lys Trp Arg Lys Arg Trp Trp Arg Lys Trp Arg Lys Arg Trp
1 5 10 15

Trp

<210> 64
<211> 15
<212> PRT
<213> Homo sapiens

<400> 64

Trp Arg Lys Trp Arg Lys Arg Trp Arg Lys Trp Arg Lys Arg Trp
1 5 10 15

<210> 65
<211> 18
<212> PRT
<213> Homo sapiens

<400> 65

Trp Arg Lys Trp Arg Lys Arg Trp Trp Phe Arg Lys Trp Arg Lys Arg
1 5 10 15

Trp Trp

<210> 66

<211> 18
<212> PRT
<213> Homo sapiens

<400> 66

Trp Arg Lys Trp Arg Lys Arg Phe Phe Trp Arg Lys Trp Arg Lys Arg
1 5 10 15

Phe Phe

<210> 67
<211> 14
<212> DNA
<213> Homo sapiens

<400> 67

wrkrwrrwrk rwwr

14

<210> 68
<211> 20
<212> PRT
<213> Homo sapiens

<400> 68

Leu Arg Lys Leu Arg Lys Arg Leu Leu Arg Leu Arg Lys Leu Arg Lys
1 5 10 15

Arg Leu Leu Arg
20

<210> 69
<211> 20
<212> PRT
<213> Homo sapiens

<400> 69

Trp Arg Lys Trp Arg Lys Arg Trp Trp Arg Trp Arg Lys Trp Arg Lys
1 5 10 15

Arg Trp Trp Arg
20

<210> 70
<211> 18
<212> PRT
<213> Homo sapiens

<400> 70

Leu Arg Lys Leu Arg Lys Arg Leu Leu Trp Arg Lys Trp Arg Lys Arg
1 5 10 15

Trp Trp

<210> 71

<211> 18

<212> PRT

<213> Homo sapiens

<400> 71

Leu Arg Lys Leu Arg Lys Arg Leu Leu Leu Arg Lys Leu Arg Lys Arg
1 5 10 15

Trp Trp

<210> 72

<211> 18

<212> PRT

<213> Homo sapiens

<400> 72

Leu Arg Lys Leu Arg Lys Arg Leu Leu Trp Arg Lys Trp Arg Lys Arg
1 5 10 15

Leu Leu

<210> 73

<211> 18

<212> PRT

<213> Homo sapiens

<400> 73

Trp Arg Lys Trp Arg Lys Arg Leu Leu Leu Arg Lys Leu Arg Lys Arg
1 5 10 15

Leu Leu

<210> 74

<211> 18
<212> PRT
<213> Homo sapiens

<400> 74

Trp Arg Lys Leu Arg Lys Arg Leu Leu Leu Arg Lys Leu Arg Lys Arg
1 5 10 15

Leu Leu

<210> 75
<211> 17
<212> PRT
<213> Homo sapiens

<400> 75

Trp Arg Lys Trp Arg Lys Phe Phe Phe Arg Lys Trp Arg Lys Arg Trp
1 5 10 15

Trp

<210> 76
<211> 18
<212> PRT
<213> Homo sapiens

<400> 76

Trp Arg Lys Trp Arg Lys Arg Trp Trp Phe Arg Lys Phe Arg Lys Arg
1 5 10 15

Phe Phe

<210> 77
<211> 12
<212> PRT
<213> Homo sapiens

<400> 77

Leu Arg Lys Leu Arg Lys Arg Leu Leu Leu Arg Lys
1 5 10

<210> 78
<211> 18

<212> PRT
<213> Homo sapiens

<400> 78

Arg Leu Leu Arg Leu Leu Arg Leu Leu Arg Leu Leu Arg Leu Leu Arg
1 5 10 15

Leu Leu

<210> 79

<400> 79
000

<210> 80
<211> 18
<212> PRT
<213> Homo sapiens

<400> 80

Leu Leu Arg Lys Arg Leu Lys Arg Leu Leu Leu Arg Lys Arg Leu Lys
1 5 10 15

Arg Leu

<210> 81
<211> 18
<212> PRT
<213> Homo sapiens

<400> 81

Trp Arg Trp Arg Arg Arg Trp Arg Lys Trp Arg Trp Arg Arg Arg Trp
1 5 10 15

Arg Lys

<210> 82
<211> 18
<212> PRT
<213> Homo sapiens

<400> 82

Trp Arg Trp Lys Lys Lys Trp Arg Lys Trp Arg Trp Lys Lys Lys Trp
1 5 10 15

Arg Lys

<210> 83
<211> 18
<212> PRT
<213> Homo sapiens

<400> 83

Arg	Arg	Trp	Arg	Lys	Arg	Trp	Arg	Lys	Trp	Arg	Trp	Arg	Lys	Arg	Trp
1				5					10					15	

Arg Lys

<210> 84
<211> 18
<212> PRT
<213> Homo sapiens

<400> 84

Lys	Arg	Trp	Arg	Lys	Arg	Trp	Arg	Lys	Trp	Arg	Trp	Arg	Lys	Arg	Trp
1				5					10					15	

Arg Lys

<210> 85
<211> 18
<212> PRT
<213> Homo sapiens

<400> 85

Leu	Arg	Trp	Arg	Lys	Arg	Trp	Arg	Lys	Trp	Arg	Trp	Arg	Lys	Arg	Trp
1				5					10					15	

Arg Lys

<210> 86
<211> 18
<212> PRT
<213> Homo sapiens

<400> 86

His Arg Trp Arg Lys Arg Trp Arg Lys Trp Arg Trp Arg Lys Arg Trp
1 5 10 15

Arg Lys

<210> 87
<211> 17
<212> PRT
<213> Homo sapiens

<400> 87

Arg Trp Arg Lys Arg Trp Arg Lys Trp Arg Trp Arg Lys Arg Trp Arg
1 5 10 15

Lys

<210> 88
<211> 18
<212> PRT
<213> Homo sapiens

<400> 88

Arg Arg Trp Arg Lys Arg Trp Arg Lys Arg Arg Trp